

6 (a) disposing [in said blood vessel a] said proximal portion of
7 said bifurcated [an endoluminal] stent in said blood vessel such that said first distal
8 portion of said bifurcated stent extends into said first branched vessel;

9 (b) directing blood flow from said blood vessel into said first
10 branched vessel through [a] said first distal portion of said bifurcated [endoluminal]
11 stent, [said bifurcated first distal portion being connected to said proximal portion
12 and extending into said first branched vessel; and];

13 (c) attaching said second stent to said extension portion of said
14 bifurcated stent such that said second stent extends into said second branched
15 vessel; and

16 [(c)] (d) directing blood flow from said blood vessel into said
17 second branched vessel through [a] said second distal portion of said bifurcated
18 stent.

1 36. (Amended) An endoluminal stent comprising a plurality of
2 hoops which are axially displaced in a tubular configuration along a common axis,
3 each of said hoops

4 (a) being formed by a substantially complete turn of a sinuous [wire]
5 configuration having apices, and

6 (b) having a circumference that lies in a plane substantially
7 perpendicular to the longitudinal axis of said stent;

8 wherein apices of adjacent hoops are juxtaposed to one another, and
9 at least two juxtaposed apices are connected by a securing means.

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Please add the following claims.

1 62. (Newly added) A method as claimed in claim 55 wherein
2 said disease is stenosis.

1 63. (Newly added) A method as claimed in claim 55 further
2 comprising the step of:

3 (d) covering at least said proximal portion, said first distal
4 portion, and said second distal portion with a graft layer.

1 64. (Newly added) A method as claimed in claim 63 wherein
2 said disease is an aneurysm.

1 65. (Newly added) A method as claimed in claim 63 wherein
2 said disease is thrombosis.

1 66. (Newly added) An endoluminal stent as claimed in claim 56
2 in combination with one or more additional stent segments.

1 67. (Newly added) An endoluminal stent as claimed in claim 66
2 wherein at least one of said additional stent segments comprises a plurality of hoops
3 which are axially displaced in a tubular configuration along a common axis, each of
4 said hoops

5 (a) being formed by a substantially complete turn of a sinuous
6 configuration having apices, and

7 (b) having a circumference that lies in a plane substantially
8 perpendicular to the longitudinal axis of said stent;

9 wherein apices of adjacent hoops are juxtaposed to one another, and
10 at least two juxtaposed apices are connected by a securing means.

1 68. (Newly added) An endoluminal stent as claimed in claim 66
2 wherein said one or more additional segments are axially aligned with one another.

1 69. (Newly added) An endoluminal stent as claimed in claim 66
2 wherein one or more additional segments are secured to one another by connecting
3 means.

1 70. (Newly added) An endoluminal stent as claimed in claim 66
2 wherein adjacent hoops are of the same diameter.

1 71. (Newly added) An endoluminal stent as claimed in claim 66
2 wherein adjacent hoops are of a different diameter.

1 72. (Newly added) An endoluminal stent as claimed in claim 68
2 wherein axially aligned segments are connected to one another by a tubular fabric
3 element.

1 73. (Newly added) An endoluminal stent as claimed in claim 66
2 wherein a first additional segment is axially parallel to, but non-common co-axial
3 with, said stent.

1 74. (Newly added) An endoluminal stent as claimed in claim 73
2 further comprising a second additional segment axially parallel to said stent, but
3 non-co-axial with either said stent or said first additional stent segment.

1 75. (Newly added) An endoluminal stent as claimed in claim 74
2 wherein at least one of said additional stent segments is of frustoconical shape and
3 is further combined with an additional stent segment, one end of which includes a
4 mating frustoconical shape.

1 76. (Newly added) An endoluminal stent as claimed in claim 75
2 wherein said mating frustoconical stent segments are adapted to be separately placed
3 in a bifurcated artery and then, by expansion of one of said frustoconical stent
4 segments, secured to one another.

1 77. (Newly added) An endoluminal stent as claimed in claim 56
2 wherein said hoops are formed of a single continuous wire.

1 78. (Newly added) An endoluminal stent as claimed in claim 56
2 wherein said securing means is a suture.

1 79. (Newly added) An endoluminal stent as claimed in claim 78
2 wherein said suture is a tied loop of thermoplastic material.

1 80. (Newly added) An endoluminal stent as claimed in claim 56
2 wherein said securing means is a ring.

1 81. (Newly added) An endoluminal stent as claimed in claim 56
2 wherein said securing means is a staple.

1 82. (Newly added) An endoluminal stent as claimed in claim 56
2 wherein said securing means is wire twisted into loop.

1 83. (Newly added) An endoluminal stent as claimed in claim 82
2 wherein said wire is nitinol.

1 84. (Newly added) An endoluminal stent as claimed in claim 56
2 wherein said securing means is bead of thermoplastic material.

1 85. (Newly added) An endoluminal stent as claimed in claim 56
2 wherein the plane of the circumference at each longitudinal end of the stent is
3 square to the longitudinal axis of the stent.

1 86. (Newly added) An endoluminal stent as claimed in claim 56
2 wherein said stent is at least partially covered in fabric.

1 87. (Newly added) An endoluminal stent as claimed in claim 77
2 wherein said wire is nitinol.